

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Antonius Martinus Lambertus HABRAKEN et al.

Serial No. (unknown)

Filed herewith

METHOD AND DEVICE FOR
PRODUCING A DVD

PRELIMINARY AMENDMENT

Commissioner for Patents

Washington, D.C. 20231

Sir:

Prior to calculation of the filing fee, please
amend the above-identified application as follows:

IN THE CLAIMS:

Amend claim 3 as follows:

--3. (Amended) Method according to Claim 1, for
gluing together two disc halves (5, 21) which are each
provided with a central hole (6), comprising the steps of:

- placing one disc half (5) on a rotary member
(3, 4) provided with a mandrel (7) in such a manner that the
mandrel (7) fits through the central hole (6) in the said
disc half (5);

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- expanding the mandrel (6) in such a manner that it comes to bear flush against the wall of the central hole (5) of the disc half which was put in place first;

- then applying the quantity of glue (20) to the said disc half (5);

- placing the second disc half concentrically onto the first disc half (5) over the mandrel (6), so as to enclose the glue (20);

- rotating the rotary member (3, 4) with the two disc halves (5, 21) in such a manner that, under the influence of the centrifugal force which is generated, the glue (20) spreads along an expanding front between the two disc halves (5, 21);

- stabilizing the glue which is immediately behind the glue front by means of light radiation;

- curing the glue (20);

- removing the glued-together disc halves (5, 21) from the rotary member (3, 4) and the mandrel (6). Amend claim 4 as follows:

--4. (Amended) Method according to Claim 1,, comprising the step of providing a mandrel (6) which has a relatively hard core (8) and a flexible sleeve which surrounds the core (18), and expanding the sleeve (12) by means of

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compressed air.

Amend claim 5 as follows:

--5. (Amended) Method according to claim 1, comprising the steps of:

- putting the first disc half (5) in place;
- then expanding the mandrel (6);
- then applying glue (20) to the first disc half (5);
- then placing the second disc half (21) over the expanded mandrel (6), taking with it any glue (20) adhering thereto.

Amend claim 8 as follows:

8. (Amended) Device according to Claim 6 for gluing together two disc halves (5, 21) which are each provided with a central hole (6), in which the carrier (3, 4) is provided with a mandrel (6) which can be fitted through the central holes (5) in the disc halves, the mandrel (6) being expandable in the radial direction.

Amend claim 9 as follows:

--9. (Amended) Device according to Claim 7, in which the mandrel (6) comprises a central core (8) and a flexible sleeve (12) which is connected to the core (8) in an airtight manner, which core (8) has an air-supply duct

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(9, 10) which opens out into the interior of the flexible sleeve (12).

Amend claim 13 as follows:

--13. (Amended) Device according to claim 6, in which the sleeve (12) has at least one internal recess (13), and the mandrel (6) has at least one corresponding ridge (14) which engages in the recess (13).-

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R E M A R K S

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "VERSION WITH MARKINGS TO SHOW CHANGES MADE".

Respectfully submitted,

YOUNG & THOMPSON

By *Benoît Castel*
Benoît Castel
Attorney for Applicants
Registration No. 35, 041
Customer No. 00466
745 South 23rd Street
Arlington, VA 22202
Telephone: 703/521-2297

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

The claims have been amended as follows:

3. (Amended) Method according to Claim ~~1 or 2~~, for gluing together two disc halves (5, 21) which are each provided with a central hole (6), comprising the steps of:

- placing one disc half (5) on a rotary member (3, 4) provided with a mandrel (7) in such a manner that the mandrel (7) fits through the central hole (6) in the said disc half (5);
- expanding the mandrel (6) in such a manner that it comes to bear flush against the wall of the central hole (5) of the disc half which was put in place first;
- then applying the quantity of glue (20) to the said disc half (5);
- placing the second disc half concentrically onto the first disc half (5) over the mandrel (6), so as to enclose the glue (20);
- rotating the rotary member (3, 4) with the two disc halves (5, 21) in such a manner that, under the influence of the centrifugal force which is generated, the glue (20) spreads along an expanding front between the two disc halves (5, 21);
- stabilizing the glue which is immediately behind the glue front by means of light radiation;

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- curing the glue (20);
- removing the glued-together disc halves (5, 21) from the rotary member (3, 4) and the mandrel (6).

4. (Amended) Method according to Claim 1, ~~2 or 3~~, comprising the step of providing a mandrel (6) which has a relatively hard core (8) and a flexible sleeve which surrounds the core (18), and expanding the sleeve (12) by means of compressed air.

5. (Amended) Method according to ~~one of the preceding claims~~ 1, comprising the steps of:

- putting the first disc half (5) in place;
- then expanding the mandrel (6);
- then applying glue (20) to the first disc half (5);
- then placing the second disc half (21) over the expanded mandrel (6), taking with it any glue (20) adhering thereto.

8. (Amended) Device according to Claim 6 ~~or 7~~ for gluing together two disc halves (5, 21) which are each provided with a central hole (6), in which the carrier (3, 4) is provided with a mandrel (6) which can be fitted through the central holes (5) in the disc halves, the mandrel (6) being expandable in the radial direction.

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9. (Amended) Device according to Claim ~~7 or 8~~, in which the mandrel (6) comprises a central core (8) and a flexible sleeve (12) which is connected to the core (8) in an airtight manner, which core (8) has an air-supply duct (9, 10) which opens out into the interior of the flexible sleeve (12).

13. (Amended) Device according to ~~one of Claims 6-12~~ 6, in which the sleeve (12) has at least one internal recess (13), and the mandrel (6) has at least one corresponding ridge (14) which engages in the recess (13).

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